

Product information



Chromogranin-A , 19-457aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP0323

Synonyms: CgA, CHGA, Pituitary secretory protein I (SP1)

NCBI Accession No.: NP_001266

Description: Chromogranin A is a member of the chromogranin/secretogranin (granins) family of neuroendocrine secretory proteins. Chromogranin A (CgA) represents the major soluble protein co-stored and co-released with catecholamines, within chromaffin cells secretory granules. Chromogranin A is the precursor to several functional peptides including vasostatin, pancreastatin, catestatin and parastatin. It is considered a diagnostic and prognostic marker of several diseases, including a variety of tumours and cardiac heart failure. Recombinant human Chromogranin A, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography.

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| <p>Form: Liquid. In 20mM MES buffer (pH 6.0) containing 2mM EDTA, 0.1mM PMSF, 10% glycerol</p> <p>Molecular Weight: 53.3 kDa (477aa)</p> <p>Purity: > 85% by SDS - PAGE</p> <p>Concentration: 0.5 mg/ml (determined by Bradford assay)</p> | <p>(kDa) 100 70 50 35 25</p> <p>12% SDS-PAGE (3ug)</p> |
| <p>Sequences of amino acids:</p> <p>MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMLP VNSPMNKGDT EVMKCI VEVI SDTLSKPSPM PVSQECFETL RGDERILSIL RHQNLKELQ DLALQGAKER AHQQKKHSGF EDELSEVLEN QSSQAEKKEA VEEPSSKDVM EKREDSKEAE KSGEATDGAR PQALPEPMQE SKAEGNNQAP GEEEEEEEA THTPPASLP SQKYPGPQAE GDSEGLSQGL VDREKGLSAE PGWQAKREEE EEEEEEAAG EEAVPEEEGP TVVLNPHPSL GYKEIRKGES RSEALAVDGA GKPGAEEAQD PEGKGEQEHS QQKEEEEMA VVPQGLFRGG KSGELEQEEE RLSKEWEDSK RWSKMDQLAK ELTAEKRLEG QEEEEENRDS SMKLSFRARA YGFRGPGPQL RRGWRPSSRE DSLEAGLPLQ VRGYPEEKKE EEGSANRPE DQELESLSAI EAELEKVAHQ LQALRRG</p> | |

General references:

Montero-Hadjadje M., *et al.* (2009). *J Biol Chem.* **284**(18):12420-31.

WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.

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Hendy GN., *et al.* (1995). *Clin Invest Med.* **18**(1):47-65

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
Avoid repeated freezing and thawing cycles.

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